



U.S. Department
of Homeland Security

United States
Coast Guard

LOCAL NOTICE TO MARINERS MONTHLY EDITION

District: 13

Week: 31/04

Boating Safety Classes or Information: 1-800-336-BOAT (2628)

ISSUED BY: COMMANDER, THIRTEENTH COAST GUARD DISTRICT (oan)
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LIGHT LIST REFERENCE: COMDTPUB P16502.6, Light List Volume VI, 2004 Edition

UNITED STATES COAST GUARD NAVIGATION INFORMATION SERVICE (NIS)

The United States Coast Guard Navigation Information Service (NIS), operated by the USCG Navigation Center, is staffed 24 hours a day, 7 days a week. The NIS provides information on the current operational status, effective policies, and general information for GPS, DGPS, and LORAN-C. The NIS also disseminates Safety Broadcasts (BNM), Local Notice to Mariners (LNM), and the latest Notice Advisory to Navstar Users (NANU). NANU notices can also be obtained via e-mail subscription through the USCG Navigation Center website

<http://www.navcen.uscg.gov/gps/status/default.htm>.

In addition, the NIS investigates all reports of degradation or loss of GPS, DGPS or LORAN service. Mariners are encouraged to report all degradation of radio navigation services to the NIS via any of the following: Phone: 703-313-5900, Email: webmaster@navcen.uscg.mil or on the World Wide Web at: <http://www.navcen.uscg.gov>.

BROADCAST NOTICE TO MARINERS

This section contains a range of all the significant Broadcast Notice to Mariners (BNM's) on the date of this edition.

<u>Originating Unit</u>	<u>Beginning BNM</u>	<u>Ending BNM</u>
CGD THIRTEEN	D13-0819-04	D13-0872-04

ABBREVIATIONS

ACOE - Army Corps of Engineers
ADRIFT - Buoy Adrift
AICW - Atlantic Intracoastal Waterway
B - Buoy
BKW - Breakwater
B - Refer to Light List
BNM - Broadcast Notice to Mariner
CG - Refer to Light List
CHAN - Channel
CGD - Coast Guard District
CR - Refer to Light List
C/O - Cut Off
CONT - Contour
CONSTR - Construction
CRK - Creek
CONST - Construction
DBN - Daybeacon
DBD/DAYBD - Dayboard
DBN/DEST - Daybeacon Destroyed
DBN IMCH - Daybeacon Improper Characteristic
DISCON - Discontinued
DMGD - Daybeacon Damaged

EST - Established Aid
EVAL - Evaluation
EXT - Extinguished
FL - Flashing
F/S - Fog Signal
HAZ - Hazard to Navigation
HBR - Harbor
HOR - Horizontal Clearance
HT - Height
ICW - Intracoastal Waterway
IMPCHA - Improper Characteristics
INL - Inlet
INOP - Not Operating
ISL - Islet
KBG - Refer to Light List
KBG-I - Refer to Light List
KBR - Refer to Light List
KBR-I - Refer to Light List
KBW - Refer to Light List
KGB - Refer to Light List
KGB-I - Refer to Light List
KGR - Refer to Light List
KGR-I - Refer to Light List

KGW - Refer to Light List
KGW-I - Refer to Light List
KRB - Refer to Light List
KRB-I - Refer to Light List
KRG - Refer to Light List
KRG-I - Refer to Light List
KRW - Refer to Light List
KWB - Refer to Light List
KWB-I - Refer to Light List
KWG - Refer to Light List
KWG-I - Refer to Light List
KWR - Refer to Light List
KWR-I - Refer to Light List
LAT - Latitude
LB - Lighted Buoy
LBB - Lighted Bell Buoy
LHB - Lighted Horn Buoy
LGB - Lighted Gong Buoy
LONG - Longitude
LNM - Local Notice to Mariners
LT - Light
LT CONT - Light Continuous
LWB - Lighted Whistle Buoy

MISS - Missing
MR - Refer to Light List
MR-I - Refer to Light List
N/A - Not Available
NB - Refer to Light List
N/C - Not Charted
ND - Refer to Light List
NG - Refer to Light List
NIMA - National Imagery and Mapping Agency
NL - Refer to Light List
NO - Number
NOS - National Ocean Service
NR - Refer to Light List
NW - Refer to Light List
NW - Notice Writer
NY - Refer to Light List

OBSCU - Obscured
OBST - Obstruction
OBSTR - Obstruction
PRIV - Private Aid
RBN - Radio Beacon
REBUILT - Aid Rebuilt
RECOVERED - Aid Recovered
RED - Red Buoy
REDINT - Reduced Intensity
RRL - Range Rear Light
RELIGHTED - Aid Relighted
RELOC - Relocated
RESET ON STATION - Aid Reset on Station
RFL - Range Front Light
RIV - River
SEC - Section

SG - Green Square on pile
SG-SY - Green Square with Yellow Square on pile
SHL - Shoaling
SND - Sound
STM - Statue Mile
TEMP - Temporary Aid Change
TR - Red Triangle on pile
TRLB - Temporarily Replaced by Lighted Buoy
TRLT - Temporarily Replaced by Light
TR-TY - Red Triangle with Yellow Triangle on pile
TRUB - Temporarily Replaced by Unlighted Buoy

Additional Abbreviations Specific to this LNM Edition:

LED - Light Emitting Diode

LWP - Light Watching Properly

CPA - Point of Closest Approach

SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

WASHINGTON - SPOKANE NDGPS Off Air Approval

NDGPS Spokane will be unusable time from 1700 to 1900Z on 14 Sep 04. The alternate time will be from 1700 to 1900Z on 15 Sep 04. For additional information or objections, contact Navigation Center DGPS Operations at (707) 765-7612.
Chart N/A LNM: 31/04

MONTANA - LORSTA HAVRE - LORAN-C Proposed Outage

LORAN Station Havre (Rate 8290-M) proposes an unusable time from 1500 to 1900Z on 28 Sep 04. The alternate time will be from 1500 to 1900Z on 29 Sep 04. Objections will be considered until 1500Z on 23 Sep 04. For additional information or objections, contact the Chain Operations Control Officer, U.S. West Coast Chain at (707) 765-7518/7598.
Chart N/A LNM: 31/04

WASHINGTON - TACOMA HARBOR - Excavation Activities

NRC Environmental Services Inc will be conducting excavation activities in the tidal zone at the head of Middle Waterway from 29 Jul 04 to 30 Sep 04. Mariners are requested to minimize wake in the vicinity of the excavation. For additional information, contact NRC Environmental Services Inc at (206) 546-7176.
Chart 18453 LNM: 31/04

WASHINGTON - STRAIT OF JUAN DE FUCA - Puget Sound Vessel Traffic Services Measure Salmon / Halibut Fisheries

Fishing activity is being conducted in the Strait of Juan De Fuca until approximately 15 Aug 04. To ensure the safety of all vessels operating in this area the U.S. Coast Guard has issued a VTS Measure that directs all inbound vessels using the Traffic Scheme to divert their course when reaching 124-48W to transit south of the inbound traffic lane and follow the recommended eastbound route. Vessels will be instructed by the appropriate Traffic Center, "Tofino Traffic" or "Seattle Traffic", when to make course alterations to avoid this fishing activity, and when to return to the Traffic Separation Scheme. Vessels must contact the appropriate VTS Center via VHF/FM radio for permission to overtake other vessels while transiting through this area. For additional information, contact Vessel Traffic Services, Puget Sound at (206) 217-6051.
Charts 18480,18460 LNM: 29/04

WASHINGTON - STRAIT OF JUAN DE FUCA - Puget Sound Vessel Traffic Services Measure (33CFR161.11)

In support of the Cooperative Vessel Traffic Services (CVTS) Agreement all vessels over 300GT inbound for the U.S. via the Strait of Juan De Fuca are required to submit a 24 hour CVTS offshore advancement report. Follow the IMO Standard Ship Reporting system (Resolution A.648 (16), MSC/WP6). Submit the report using the methods below.

- Via e-mail, rmic-pacific@pac.dfo-mpo.gc.ca<<mailto:rmic-pacific@pac.dfo-mpo.gc.ca>>
- Via INMARSAT telex 04352586 "CGTC VAS VCR"
- Via any Canadian Coast Guard MCTS Centre, free of charge
- Or directly to CVTS Offshore by FAX: 604-666-8453

For additional information, contact Vessel Traffic Services, Puget Sound at (206) 217-6051.
Chart N/A LNM: 29/04

WASHINGTON - OFF SHORE - Research Buoys

The Scripps Institution of Oceanography has deployed bottom mounted buoys within 6 fathoms of the bottom at positions 47-21-47.8N 124-45-23.2W and 47-26-53.6N 125-08-18.5W. The buoys will be recovered by 10 Oct 04 with the moors remaining on site. For additional information, contact Scripps Institution of Oceanography at (858) 534-6937.
Chart 18500 LNM: 28/04

THIRTEENTH COAST GUARD DISTRICT - 2004 Special Local Notice to Mariners

U.S. Coast Guard District 13 has Published the 2004 Special Local Notice to Mariners. The Special Local Notice to Mariners is available for down load from the web at <http://www.uscg.mil/d13/oan/slnm2004.pdf> or <http://www.navcen.uscg.gov/lrm/d13/slnm2004.pdf>. A limited number of Special Local Notice to Mariners are available for mailing by calling (206) 220-7270.

Chart N/A

LNM: 27/04

SECTION II - DISCREPANCIES

This section lists all reported and corrected discrepancies related to Aids to Navigation in this edition. A discrepancy is a change in the status of an aid to navigation that differs from what is published or charted.

DISCREPANCIES (FEDERAL AIDS)

LLNR	Aid Name	Status	Chart No	BNM Ref.	LNM St	LNM End
740/ 16075	Quillayute River Approach Lighted Whistle Buoy Q	TEMP RELOC 47-53-24.4N 124-39-57.1W	18480	D13-0828-04	31/04	
10235	Pillar Rock Lower Range Front Light	IMPCHA Focal plane 12ft lower REDINT / 3NM TEMP LED	18523	D13-0732-04	28/04	
10485	Westport Dike Light 60	REDINT / 3NM TEMP LED	18523	D13-0680-04	26/04	
15180	Willapa Bay Entrance Buoy B	MISS	18504	D13-0744-04	28/04	
17615	Kilisut Harbor Daybeacon 8	Structure MISS / TRUB	18441	D13-0710-03	25/03	
19265	Bellingham Breakwater Entrance Light 2	Characteristics TEMP changed to FI R 2.5s 5NM / F/S INOP	18421	D13-0818-04	30/04	
19935	International Boundary Range C Front Light	IMPCHA / DBD Faded and Peeling	18421	D13-1191-02	38/02	

DISCREPANCIES (FEDERAL AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No	BNM Ref.	LNM St	LNM End
8735	Coos Bay Entrance Lighted Bell Buoy 1	LWP	18587	D13-0872-04	07/04	31/04
11308	Airport Bar Range Rear Light	LWP	18531	D13-0855-04	30/04	31/04
11455	Camas Slough Range Front Light	LWP	18531	D13-0856-04	30/04	31/04
11530	Washougal Lower Range Front Light	LWP	18531	D13-0857-04	29/04	31/04
11795	Cascade Rapids Lower Range Front Light 8	LWP	18532	D13-0850-04	30/04	31/04
11960	Hood River Breakwater Light	LWP	18532	D13-0825-04	30/04	31/04

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No	BNM Ref.	LNM St	LNM End
9185	North Slough Channel Daybeacon 4	IMPCHA	18587	D13-0478-04	18/04	
9190	North Slough Channel Daybeacon 8	IMPCHA	18587	D13-1144-02	36/02	
9195	Haynes Inlet Channel Daybeacon 1	IMPCHA	18587	D13-0479-04	18/04	
9205	Haynes Inlet Channel Daybeacon 5	IMPCHA	18587	D13-0480-04	18/04	
9210	Haynes Inlet Channel Daybeacon 7	IMPCHA	18587	D13-0481-04	18/04	
12710	Pump Station Intake Light	EXT	18539	D13-0853-04	31/04	
12930.6	Lower Middle Channel Approach Buoy E	MISS	18542	D13-0800-04	30/04	
12930.7	Lower Middle Channel Approach Buoy F	MISS	18542	D13-0801-04	30/04	

12930.91	Lower Middle Channel Approach Buoy H	MISS	18542	D13-0802-04	30/04
12930.92	Lower Middle Channel Approach Buoy 5	MISS	18542	D13-0803-04	30/04
14875	Terminal 5 Bulk Outloader Dock Lights (2)	EXT	18526	D13-0837-04	31/04
15030	Oswego North Pier Light	MISS	18528	D13-0832-04	31/04
15035	Oswego South Pier Light	MISS	18528	D13-0833-04	31/04
17158	Tacoma Outfall Lighted Buoy	EXT	18448	D13-0774-04	29/04
18165	Lower Guide Wall Light	IMPCHAR	18447	D13-0840-04	31/04
18175	Upper Guide Wall Light	IMPCHAR	18447	D13-0841-04	31/04
19755	Pearl Island Dock Light	EXT	18421	D13-0448-04	18/04

DISCREPANCIES (PRIVATE AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No	BNM Ref.	LNM St	LNM End
11498	Chinook Landing Marine Park Light 2	LWP	18531	D13-0865-04	30/04	31/04
18017	Bainbridge Island Boat Yard Lights (2)	LWP	18441	D13-0740-04	28/04	31/04

SECTION III – TEMPORARY CHANGES and TEMPORARY CHANGES CORRECTED

This section contains temporary changes and corrections to Aids to Navigation for this edition. When charted aids are temporarily relocated for dredging, testing, evaluation, or marking an obstruction, a temporary correction shall be listed in Section IV giving the new position.

TEMPORARY CHANGES

LLNR	Aid Name	Status	Chart No	BNM Ref.	LNM St	LNM End
16856	Coast Guard Pier Light North	TEMP DISCON	18449	D13-0729-03	26/03	
16857	Coast Guard Pier Light South	TEMP DISCON	18449	D13-0729-03	26/03	

TEMPORARY CHANGES CORRECTED

LLNR	Aid Name	Status	Chart No	BNM Ref.	LNM St	LNM End
None						

SECTION IV – CHART CORRECTIONS

This section contains corrections to federally and privately maintained Aids to Navigation, as well as NOS corrections.

This section contains corrective actions affecting chart(s). Corrections appear numerically by chart number, and pertain to that chart only. It is up to the mariner to decide which Chart(s) are to be corrected. The following example explains the individual elements of a typical chart correction.

Chart Number ↓	Chart Edition ↓	Edition Date ↓	Last Local Notice to Mariners ↓	Horizontal Datum Reference ↓	Source of Correction ↓	Current Local Notice to Mariner ↓
18427	20 TH ed	3/18/2000	Last LNM 25/99	NAD 83	(NOS Silver Spring)	40/99
<div> <div>Chart Title: WA – ANACORTES TO SKAGIT BAY - (Temp)</div> <div>Add</div> <div>Ben Ure Island Light 2, FI R 4s, 25ft 4M</div> <div>at</div> <div>48°24'12.1"N</div> <div>124°37'42.0"W</div> </div>						
	↑ Corrective Action	↑ Object of Correction Action				↑ Position

(Temp) indicates that the chart correction action is temporary in nature. Courses and bearings are given in degrees clockwise from 000 true. Bearings of light sectors are toward the light from seaward. The nominal range of lights is expressed in nautical miles (NM) unless otherwise noted.

18502	85th ed	Jun 2004	Last LNM 23/04	NAD 83	(CCGD 13)	31/04
Chart Title: WA - GRAYS HARBOR Relocate Damon Point Light (46-57-00.9N 122-05-20.0W) to 46-57-01.0N 124-06-25.2W						
18504	65th ed	Mar 2003	Last LNM 20/04	NAD 83	(CCDG 13)	31/04
Chart Title: WA - WILLAPA BAY						

Relocate	Willapa River Light 33 (46-42-07.0N 123-49-58.6W)	to	46-42-05.4N	123-49-58.6W
Change	Willapa River Light 33 nominal range to 4NM	at	46-42-05.4N	123-49-58.6W
Change	Willapa River Light 39 nominal range to 4NM	at	46-41-11.4N	123-49-04.6W
Change	Willapa River Channel Light 51 nominal range to 4NM	at	46-39-53.4N	123-47-58.6W
Change	Willapa River Channel Light 55 nominal range to 4NM	at	46-40-35.4N	123-47-04.6W
Change	Nahcotta Mooring Basin Light 2 nominal range to 4NM	at	46-30-05.4N	124-01-28.6W

18521 70th ed Oct 2003 Last LNM 27/04 NAD 83 (CCGD 13) 31/04

Chart Title: **OR - WA - COLUMBIA RIVER PACIFIC OCEAN TO HARRINGTON POINT**

Change	Chinook Channel Light 5 nominal range to 4NM	NAD 83	at	46-16-05.3N	123-57-22.5W
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Add	Tabulation: Columbia River COLUMBIA RIVER CHANNEL – ENTRANCE to MILLER SANDS	(NOS NW -7958)	centered at	46-07-54.0N	123-45-55.0W
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18523 54th ed Oct 2003 Last LNM 27/04 NAD 83 (CCGD 13) 31/04

Chart Title: **OR - WA - COLUMBIA RIVER - HARRINGTON POINT TO CRIMS ISLAND**

Change	Price Island Light 35 nominal range to 6NM	NAD 83	at	46-15-16.2N	123-26-40.1W
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Add	Tabulation: Columbia River MILLER SANDS RANGE to GULL ISLAND TURN	(NOS NW -7957)	centered at	46-08-44.0N	123-32-06.0W
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18524 34th ed Jun 2004 Last LNM 28/04 NAD 83 (CCGD 13) 31/04

Chart Title: **OR - WA - COLUMBIA RIVER-CRIMS ISLAND TO ST HELENS**

Relocate	Multnomah Channel Daybeacon 2 (45-52-31.0N 122-47-55.9W)	NAD 83	to	45-52-26.1N	122-47-55.9W
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Add	Tabulation: Columbia River GULL ISLAND TURN and CHANNEL TO SAINT HELENS TURN	(NOS NW -7959)	centered at	46-03-45.0N	122-57-49.0W
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18525 34th ed May 2004 Last LNM 28/04 NAD 83 (NOS NW -7960) 31/04

Chart Title: **OR - WA - COLUMBIA RIVER-SAINT HELENS TO VANCOUVER**

Add	Tabulation: Columbia River SAINT HELENS TURN TO TOMAHAWK BAR	(NOS NW -7960)	centered at	45-36-47.0N	122-51-51.0W
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18526 56th ed Dec 2004 Last LNM 27/04 NAD 83 (NOS NW -7962) 31/04

Chart Title: **OR - WA - PORT OF PORTLAND – INCLUDING VANCOUVER**

Add	Tabulation: Columbia River MORGAN CHANNEL TO TOMAHAWK BAR	(NOS NW -7962)	centered at	45-32-36.0N	122-45-19.0W
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18531 21st ed Dec 2003 Last LNM 28/04 NAD 83 (NOS NW -7969) 31/04

Chart Title: **OR - WA - COLUMBIA RIVER VANCOUVER TO BONNEVILLE**

Add	Tabulation: Columbia River centered TOMAHAWK BAR TO BONNEVILLE LOCKS	(NOS NW -7969)	at	45-38-08.0N	122-14-55.0W
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OIL RIG MOVEMENT

Drill Rigs/Vessels Removed

Latitude	Longitude	Block	Rigs/Vessel	Chart	Type	Status
None						

Drill Rigs/Vessels Established

Latitude	Longitude	Block	Rigs/Vessel	Chart	Type	Status
None						

SECTION V - ADVANCE NOTICES

This section contains advance notice of approved projects, changes to aids to navigation, or upcoming temporary changes such as dredging, etc. Mariners are advised to use caution while transiting these areas.

SUMMARY OF ADVANCED APPROVED PROJECTS

<u>Waterway</u> Washington - Grays Harbor	<u>Project Date</u> Aug 2004	<u>Ref. LNM</u> LNM: 25/04
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The **daymark** on Grays Harbor Light (LLNR 720/15530) will be disestablished on or about August 2004. Grays Harbor Lighthouse and associated buildings will be transferred under the National Historic Lighthouse Preservation Act to the Westport Maritime Museum. The light itself will continue to be a federal aid to navigation.

SECTION VI - PROPOSED CHANGES

Periodically, the Coast Guard evaluates its system of aids to navigation to determine whether the conditions for which the aids to navigation were established have changed. When changes occur, the feasibility of improving, relocating, replacing, or discontinuing aids are considered. This section contains notice(s) of non-approved, proposed projects open for comment. SPECIAL NOTE: Mariners are requested to respond in writing to the District office Attn John Barberi (206) 220-7276 unless otherwise noted (see banner page for address).

PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
WASHINGTON – BELLINGHAM BAY	10 Sept 2004		LNM: 31/04

Navigation Aids: To accommodate the solarization of the light.

Change light characteristics of Bellingham Breakwater Entrance Light 2 (LLNR 19265) from Occulting red four-second (OC R 4s) to flashing red every 2.5 seconds (FL R 2.5s) and change the nominal range from six (6) to five (5) nautical miles. Additionally, discontinue the fog signal.

Chart 18424

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
SNAKE RIVER – LAKE BRYAN	10 Sept 2004		LNM: 31/04

Navigation Aids: To properly mark the increased size of the Restricted Area behind Little Goose Dam.

Relocate Little Goose Reservoir Lighted Buoy “1” (LLNR 13675) to approximate position 46 35 09N, 118 01 04W.

Relocate Little Goose Dam Buoy “A” (LLNR 13680) to approximate position 46 35 01N, 118 01 23W and change the LLNR to 13676.

Relocate Little Goose Dam Buoy “B” (LLNR 13685) to approximate position 46 35 04N, 118 01 17W and change the LLNR to 13677.

Relocate Little Goose Dam Buoy “C” (LLNR 13690) to approximate position 46 35 06N, 118 01 11W and change the LLNR to 13678.

Relocate Little Goose Dam Buoy “D” (LLNR 13695) to approximate position 46 35 13N, 118 01 05W and change the LLNR to 13679.

Establish Little Goose Dam Buoy “E” (LLNR 13680) a white can with orange bands and diamond with orange center cross worded DAM, in approximate position 46 35 18N, 118 01 07W.

Establish Little Goose Dam Buoy “F” (LLNR 13681) a white can with orange bands and diamond with orange center cross worded DAM, in approximate position 46 35 23N, 118 01 09W.

Establish Little Goose Dam Buoy “G” (LLNR 13682) a white can with orange bands and diamond with orange center cross worded DAM, in approximate position 46 35 22N, 118 01 15W.

Establish Little Goose Dam Buoy “H” (LLNR 13683) a white can with orange bands and diamond with orange center cross worded DAM, in approximate position 46 35 22N, 118 01 22W.

Establish Little Goose Dam Buoy “I” (LLNR 13684) a white can with orange bands and diamond with orange center cross worded DAM, in approximate position 46 35 21N, 118 01 28W.

Establish Little Goose Dam Buoy “J” (LLNR 13685) a white can with orange bands and diamond with orange center cross worded DAM, in approximate position 46 35 21N, 118 01 34W.

Chart 18547

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
WASHINGTON – STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA	03 Sept 2004		30/04

Navigation Aids: To accommodate a Light Emitting Diode (LED).

Rosario Strait Traffic Lane Lighted Buoy “C” (LLNR 19520). Discontinue the flashing yellow four second light (FL Y 4s) and install a 6NM yellow 2.5 second Light Emitting Diode (LED) lantern (FL Y 2.5s).

Rosario Strait Traffic Lane Separation Lighted Buoy “CA” (LLNR 19535). Discontinue the flashing yellow four second light (FL Y 4s) and install a 6NM yellow 2.5 second Light Emitting Diode (LED) lantern (FL Y 2.5s).

Strait of Juan De Fuca Traffic Lane Separation Lighted Buoy “J” (LLNR 16135/755). Discontinue the flashing yellow four second light (FL Y 4s) and install a 6NM yellow 2.5 second Light Emitting Diode (LED) lantern (FL Y 2.5s).

Strait of Juan De Fuca Traffic Lane Separation Lighted Buoy “PA” (LLNR 16222). Discontinue the flashing yellow four second light (FL Y 4s) and install a 6NM yellow 2.5 second Light Emitting Diode (LED) lantern (FL Y 2.5s).

Navigation Aids: To improve range performance.

Change Coos Bay Entrance Range Front and Rear Lights (LLNR 8740/8745) to nighttime operation. Additionally, to improve range performance, change visible 4 degrees each side of rangeline to visible 1.5 degrees each side of rangeline.

Change Coos Bay Inside Range "A" Front Light (LLNR 8785) from visible all around with higher intensity on rangeline to visible 10 degrees each side of rangeline.

Change Coos Bay Inside Range "A" Rear Light (LLNR 8790) from visible 15 degrees each side of rangeline to visible 14 degrees each side of rangeline.

Change Coos Bay Inside Range "B" Rear Light (LLNR 8810) from visible 4 degrees each side of rangeline to visible 5.5 degrees each side of rangeline.

Change Coos Bay Range "A" Rear Light (LLNR 8820) from visible 4 degrees each side of rangeline to visible 5.5 degrees each side of rangeline.

Change Empire Range "A" Front Light (LLNR 8855) and Empire Range "A" Rear Light (LLNR 8860) from visible 4 degrees each side of rangeline to visible 1.5 degrees each side of rangeline.

Change Empire Range "B" Front Light (LLNR 8865) and Empire Range "B" Rear Light (LLNR 8870) from visible 4 degrees each side of rangeline to visible 1.5 degrees each side of rangeline.

Change Jarvis Lower Range "B" Rear Light (LLNR 8930) from visible all around with higher intensity on rangeline to visible 4 degrees each side of rangeline. Additionally, change the color from white to red on Jarvis Lower Range "B" Front and Rear Lights (LLNR 8925/8930).

Change Jarvis Upper Range "A" Front and Rear Lights (LLNR 8945/8950) from visible all around with higher intensity on rangeline to visible 1.5 degrees each side of rangeline. Additionally, change the color of the range from green to red.

Change Jarvis Upper Range "B" Front and Rear Lights (LLNR 8960/8965) from visible 4 degrees each side of rangeline to visible 5.5 degrees each side of rangeline.

Change North Bend Lower Range Front and Rear Lights (LLNR 9010/9015) from visible all around with higher intensity on rangeline to visible 4 degrees each side of rangeline.

Change North Bend Range Front Light (LLNR 9020) from visible all around with higher intensity on rangeline to visible 4 degrees each side of rangeline.

Change North Bend Range Rear Light (LLNR 9025) from visible all around with higher intensity on rangeline to visible 5.5 degrees each side of rangeline.

Change North Bend Upper Range Front and Rear Lights (LLNR 9040/9045) from visible all around with higher intensity on rangeline to visible 4 degrees each side of rangeline.

Change Ferndale Upper Range Front Light (LLNR 9065) from visible all around with higher intensity on rangeline to visible 4 degrees each side of rangeline.

Change Marshfield Range Front and Rear Lights (LLNR 9075/9080) from visible all around to visible 4 degrees each side of rangeline.

Change Marshfield Channel Range Front Light (LLNR 9090) from visible all around to visible 4 degrees each side of rangeline.

Change Marshfield Channel Range Rear Light (LLNR 9095) from visible all around to visible 5.5 degrees each side of rangeline. Additionally, change the color from white to red.

Chart 18587

Navigation Aids: No longer considered necessary for safe navigation in the waterway.

Discontinue Multnomah Channel Light 6 (LLNR 14840).

Chart 18524

SECTION VII - GENERAL

This section contains information of general concern to the Mariners. Mariners are advised to use caution while transiting these areas.

OREGON - Bridge Information

Siuslaw River

The U.S.101 Bridge at Florence need not open for the passage of vessels from 0001 local 07 Sep to 2359 local 29 Oct 04. The temporary closure is authorized for a resurfacing project on the double-leaf bascule.

Chart 18583

LNM: 20/04

OREGON - Bridge Information

Siuslaw River

The U.S.101 Bridge at Florence need not open for the passage of vessels from 0001 local 18 Oct to 2359 local 30 Nov 04. The temporary closure is authorized for a resurfacing project on the double-leaf bascule.

Chart 18583

LNM: 26/04

OREGON - Bridge Information

Coquille River

The Bullard Ferry Bridge at Coquille River mile 3.5 has been disabled and cannot open for vessel traffic until repairs are made.

Chart 18588

LNM: 12/04

OREGON - Bridge Information (Revisions of LNM 04/04)

Willamette River

The Broadway Bridge at mile 11.7 will require 24 hour notification for openings from 27 Feb to 15 Nov 04 due to operations related to painting.

Chart 18526

LNM: 09/04

OREGON - Bridge Information

Willamette River

During the following periods the Broadway Bridge at mile 11.7 need not be opened for vessels from 0600 local on the start date to 0600 local on the end date: 31 Jul to 04 Aug, 05-08, 09-12, 13-16, 17-20, 21-24, 25-28, 29 Aug to 01 Sep, 02-05 Sep 04. From 07 Jul through 04 Sep 04, 24 hour notice must be provided for openings. These deviations from normal operations accommodate the ongoing paint and repair project on the bridge.

Chart 18526

LNM: 23/04

OREGON - Bridge Information

Willamette River

The Burnside Bridge at mile 12.4 need not open for the passage of vessels from 0700 to 1100 local on 19 Sep 04, to accommodate public events.

Chart 18526

LNM: 14/04

OREGON - Bridge Information

Willamette River

The Morrison Bridge at mile 12.8 and the Hawthorne Bridge at mile 13.1 need not open for the passage of vessels from 0500 to 1300 local on 08 Aug 04, to accommodate the Providence Pedal public event.

Chart 18526

LNM: 28/04

COLUMBIA RIVER - Bridge Information

Vancouver

The dual liftspans of the Interstate 5 dual vertical lift bridges at river mile 106.5 will be effected throughout the summer of 2004 by a major mechanical-electrical rehabilitation project. From 0630 15 Jul to 2100 local on 06 Aug 04 the draws will not open. Scheduled openings will occur, if requested, at 2100 local on 06 and 20 Aug, 03 and 17 Sep and 01 Oct 04. The draws will not return to normal operations until 2100 local on 15 Oct 04.

Charts 18524, 18526

LNM: 12/04

COLUMBIA RIVER - Bridge Information

Hood River

The Hood River White Salmon Bridge at mile 169.8 is stuck in the closed position.

Charts 18532

LNM: 21/04

WASHINGTON - Bridge Information

Duwamish West Waterway

The Spokane Street Dual Swingspan at mile 0.3 – Vessel operators who need draw openings are requested to pass through a west span opening whenever safe passage through this half-opening is possible. The Coast Guard recognizes this limited operation for consenting vessels only. Cracking has been discovered in the vertical lift cylinder of the east span. The manufacture and replacement of this unique part will take months. Minimizing the load bearing of the cylinder may prevent a failure of the east span similar to the one that occurred in 2001 at the west span. Operators will continue to open both sides of the bridge to any vessel that requests a full opening.

Chart 18450

LNM: 11/02

WASHINGTON - Bridge Information

Tacoma Narrows Bridge – (Revision of LNM 31/03)

Construction – Derrick barges will be deployed at various locations around the pier locations for the new parallel bridge near the piers of the existing Tacoma Narrows Bridge. Buoys have been deployed to mark anchor cables for retrieval this summer when caissons are floated into position for the new footing excavation. These buoys are in the process of being lighted and repainted for improved visibility. Lights may be extinguished by submersion in strong currents. A free channel 1600 feet wide currently exists. Mariners should exercise caution while passing construction activity. Further updates will be included in this publication.

Charts 18448, 18474

LNM: 32/03

WASHINGTON - Bridge Information

Tacoma Narrows Bridge – (Revision of LNM 32/03)

The Coast Guard has issued a safety zone regulation until 06 Aug 04, for all waters of the Tacoma Narrows, Puget Sound, and adjoining waters of Washington state, within a 250 yard radius around each of the following coordinates: 47-15-54N 122-32-50W and 47-16-15N 122-33-16W. No vessel will be allowed to transit this area without the permission of the Coast Guard. The Coast Guard may be reached on VHF-FM Channel 16.

Charts 18448, 18474

LNM: 06/04

WASHINGTON - Bridge Information

Everett

State Route 529 Swingspan Bridge across Steamboat Slough at Everett is inoperable due to mechanical failure until further notice.

Chart 18443

LNM: 36/03

Bridge Lighting Discrepancies:

Lights on the following bridges have been reported extinguished.

Waterway and Mile	Bridge Name	Location	Status	Date reported	BNM	LNM
Columbia River Mile 191.6	U.S.197	The Dalles, OR	EXT	27 Jul 04	0846-04	31/04
Willamette River Mile 25.5	I-205 Bridge	Oregon City, OR	EXT	27 Jul 04	0843-04	31/04
Columbia River Mile 102.5	Lady Island Bridge	Camas, WA	EXT	27 Jul 04	0847-04	31/04
Columbia River Mile 208.1	Biggs / Maryhill Bridge	Biggs, WA	EXT	27 Jul 04	0844-04	31/04
Columbia River Mile 323.4	Kalan Bridge	Kennewick, WA	EXT	28 Jul 04	0835-04	31/04
Pend Oreille River Mile 2.0	US 95 Bridge	Sand Point, ID	EXT	17 Jul 04	N/A	29/04
Pend Oreille River Mile 2.7	BNRR Bridge	Sand Point, ID	EXT	13 Jul 04	N/A	29/04
Pend Oreille River Mile 111.3	Spokane International Railroad Bridge	Sand Point, ID	EXT	09 Jul 04	N/A	28/04

Bridge Lighting Discrepancies Corrected:

The following bridge discrepancies have been corrected since the last Local Notice to Mariners:

Waterway and Mile	Bridge Name	Location	Status	Date reported	BNM	LNM
Siuslaw River Mile 8.0	CO and PRR Bridge	Acme, OR	LWP	04 Jun 04	0858-04	31/04
Hylebos Waterway Mile 1.1	East 11th Street Bridge	Seattle, WA	LWP	05 May 04	0859-04	31/04
Port Townsend Canal Mile 0.2	Port Townsend Canal Bridge	Port Townsend, WA	LWP	04 Jun 04	0860-04	31/04

THIRTEENTH COAST GUARD DISTRICT - Request for information on the use of large-scale driftnets on the high seas

The United States Coast Guard (USCG) requests mariners be on the lookout for and report any observed driftnets or vessels engaged in driftnet fishing on the high seas (more than 200NM from shore). Sighting information may be made to any of the following Coast Guard offices:

Offices	Phone	Fax	Telex	Email
USCG Pacific Area Alameda, CA	1-800-246-7236 1-510-437-3701	1-510-437-3017	230172343	OD11/Pacarea@d11.uscg.mil
USCG 14th District Honolulu, HI	1-800-331-6176 1-808-541-2500	1-808-541-2123		D14ccdutyofficer@D14.uscg.mil
USCG 17th District Juneau, AK	1-800-478-5555 1-907-463-2000	1-907-463-2023	49615066	D17-cc@cgalaska.uscg.mil

Illegal high seas driftnet (HSDN) fishing has historically been conducted in the Northwest Pacific Ocean. Mariners following great circle routes between North America and Asia are most likely to encounter this activity. Fishing activity normally takes place between 01 Apr and 31 Aug. However, illegal activity may occur in other areas and at other times of the year.

Information desired include date, time, position, description of gear/vessel, and observed activity. Video or photographs are highly desired.

HSDN Fishing Vessel Characteristics:

HSDN fishing vessels typically range from 120 to 200 feet in length and are usually in fair to poor condition. Distinguishing characteristics include:

Net tube: A large, usually white tube, which extends from the working deck to the net bin located aft. This tube is about two feet in diameter, runs along the port or starboard side of the superstructure, and is clearly visible from both the surface and air.

Net bin: A structure normally located on an aft deck in which the nets are stored.

Net spreader: A triangular or roller net spreading device, which prevents the net from becoming entangled as it enters the water. While only visible from the stern, this is one characteristic, which clearly distinguishes a HSDN fishing vessel from a longline or other fishing vessel.

Transponders: The radio transponders are approximately 4-6 ft tall, are used to mark the end of a net and are normally stored in racks on the weather decks.

When the net is in the water, it is normally suspended using cylindrical floats spaced every few feet, similar to swimming pool lane markers, with the ends of the nets marked with radio transponders. Other types of floats may be used, including larger spherical floats about 2-3 ft in diameter. The driftnets may vary from a couple hundred yards to several nautical miles in length.

Chart N/A

LNM: 09/04

THIRTEENTH COAST GUARD DISTRICT - Reporting suspicious activity

The Department of Homeland Security (DHS) encourages the maritime public to report information concerning suspicious activity to the National Response Center (NRC) at (800) 424-8802. The U.S. Coast Guard reminds the maritime industry that they may also report information concerning activity to their Local Federal Bureau of Investigation (FBI) Joint Terrorism Task Force (JTTF) Office, <http://www.fbi.gov/contact/fo/fo.htm>, or to other appropriate authorities. Individuals can contact the DHS Watch and Warning Unit at (202) 323-3205, toll free at (888) 585-9078, or by e-mail to nipc.watch@fbi.gov.
Chart N/A LNM: 15/03

COLUMBIA RIVER - OFF SHORE - Research Buoys

The Scripps Institution of Oceanography has deployed the following research buoys. Each buoy is yellow with a flashing yellow 4 second light (FL Y 4s).

Buoy RN	46-26-14.7N, 124-18-04.8W
Buoy RC	46-10-01.4N, 124-11-43.4W
Buoy RN	46-03-10.7N, 124-06-01.6W

Charts 18500, 18520

LNM: 26/04

COLUMBIA RIVER - APPROACHES TO ASTORIA - Scientific Buoy

The Oregon Health and Science University has temporarily deployed a Lighted Research Buoy (yellow can) at approximate position 46-10-30.0N 124-07-06.0W showing a Flashing Yellow 4 seconds (FL Y 4s) light. The buoy is expected to remain in place until 31 Oct 04. For additional information, contact Oregon Health and Science University at (503) 748-4059.

Chart 18521

LNM: 23/04

COLUMBIA RIVER - APPROACHES TO ASTORIA - Scientific Buoys (Revision to LNM 18/04)

Oregon State University has deployed 13 scientific buoys from bank to bank near Jim Crow Point at river mile 29 on the Columbia River. Each buoy is a system of four 7in by 15in Styrofoam floats with attached contact information. For additional information, contact Oregon State University at (541) 737-2592.

Charts 18521, 18523

LNM: 26/04

COLUMBIA RIVER - ASTORIA - Construction Projects (Revision of LNM 45/02)

Marine construction activities are scheduled near Astoria on the Oregon side of the Columbia River at the Port of Astoria's Pier III near river mile 11. This is a long-term project that is expected to last until 2005. Mariners should use caution near the 1100-foot pier, as piles may not be visible at high tide. For questions concerning the long-term Pier III project contact the Port of Astoria at (503) 325- 4521.

Chart 18521

LNM: 35/03

COLUMBIA RIVER - WILLAMETTE RIVER - Construction

Ecology and Environment, Inc will be constructing a 25 acre sediment cap at river mile 7 of the Willamette River outside the navigational channel from 01 Jul to 31 Oct 04. Multiple barges will be in the area throughout the construction period. Mariners are requested to use caution in the vicinity of the construction. For additional information, contact Oregon Department of Environmental Quality at (503) 229-6748.

Chart 18526

LNM: 26/04

COLUMBIA RIVER - THE DALLES - Telemetry Barges

USGS Columbia River Research Lab deployed 20 6ft by 8ft pontoon barges, each showing flashing yellow 4 seconds (FI Y 4s) lights, located on the Oregon side, outside the shipping channel between the Dalles Dam and mile 193 on the Columbia River. An additional 28 pontoon barges were deployed in the Boat Restriction Zone (BRZ) above the Dalles Dam, each showing flashing yellow 4 seconds (FI Y 4s) lights. All the barges are to be removed prior to 31 Aug 04. For additional information, contact Columbia River Research Laboratory at (509) 538-2299 Ext 267.

Chart 18533

LNM: 15/04

COLUMBIA AND SNAKE RIVERS - 2004 Summer Seasonal Lockage Schedule for Recreational Craft

The U.S. Army Corps of Engineers, Walla Walla and Portland Districts, have implemented the 2004 summer seasonal lockage schedule effective from 15 May to 15 September 04 for the passage of recreational craft through the following navigation locks:

Walla Walla District Locks			Portland District Locks		
Navigation Lock	Location	Chart	Navigation Lock	Location	Chart
McNary Dam	Columbia River Mile 292	18539	Bonneville Dam	Columbia River Mile 145	18531
Ice Harbor Dam	Snake River Mile 9.7	18545	The Dalles Dam	Columbia River Mile 191	18533
Lower Monumental Dam	Snake River Mile 41.6	18545	John Day Dam	Columbia River Mile 216	18535
Little Goose Dam	Snake River Mile 70.3	18546			
Lower Granite Dam	Snake River Mile 107.3	18548			

When a recreational vessel lockage schedule is in effect, recreational vessels will only be allowed to lock through at the times designated for such lockages and they will take precedence over commercial vessels. Commercial vessels will continue to be locked through upon arrival except during the times specified for recreational vessel lockages. At the discretion of the lock operator, recreational vessels may be allowed to lock through with commercial craft. All vessel owner/operators lock through at their own risk. Follow the directions of the lock operator when using the locks or operating in the vicinity of the locks. The lock operator has the final authority on the suitability of a craft for lockage. Refer to the U.S. Army Corps of Engineers Safe Lockage Policy for Recreational Craft on the Columbia and Snake Rivers for additional safety requirements. For additional information on this matter or copies of the Safe Lockage policy, visit the following website: <http://www.nwp.usace.army.mil/op/s/nl> or contact the Walla Walla District at (509) 527-7115/(509) 527-7113 or the Portland District at (503) 808-4332/(503) 808-4333.

The three Portland District Locks and the five Walla Walla District Locks will use the same lockage schedule making the lockage times for the entire Columbia/Snake River system identical for recreational vessels. The following seasonal recreational craft lockage schedule will be implemented beginning 15 May 2004:

Traffic Direction	Times				
Upstream Lockages	9:00 a.m.	12:01 p.m.	3:00 p.m.	6:00 p.m.	9:00 p.m.
Downstream Lockages	9:30 a.m.	12:30 p.m.	3:30 p.m.	6:30 p.m.	9:30 p.m.

Consideration will be given for special lockages to flotillas or other unique events sponsored by yacht clubs, marinas, and other groups, provided advance (24 hours) arrangements have been made with the appropriate operations manager or their appointed representative. The following project office and operations managers should be contacted for scheduling of special lockages:

Project	Operations Managers	Phone Number	Alternate Number
Bonneville	Chief Operator on Duty	(541) 374-8323	N/A
The Dalles	Chief Operator on Duty	(541) 298-4007	N/A
John Day	Chief Operator on Duty	(541) 298-9712	N/A
McNary	Randell Ryan	(541) 922-2251	(541) 922-3214
Ice Harbor	Scott Sutliff	(509) 543-3251	(509) 547-7783
Lower Monumental	Matt Allen	(509) 282-7353	(509) 282-3218
Little Goose Project	Scott Ross	(509) 399-2233 x253	(509) 399-2233 x231
Lower Granite Project	Martin Mendiola	(509) 843-1493 x258	(509) 843-1493 x231

Chart N/A

LNM: 19/04

OREGON - PORTLAND - Regional Examination Center

Effective 06 Jul 04 the Regional Examination Center, Portland OR will conduct business by appointment only due to new security procedures and workload. Appointments can be made and confirmed by calling (503) 240-9346. For additional information, contact Regional Examination Center, Portland OR at (503) 240-9346.

Chart N/A

LNM: 24/04

OREGON / WASHINGTON - COASTAL REGION - Tsunami Reporting System

As part of the Pacific Tsunami Reporting System the following surface buoys have been deployed by NOAA. Each buoy is a 2.5-meter disk, red and white in color, with the word "TSUNAMI" on it. Each buoy has a "FL Y 4s" light.

Buoy 46404	45-51-32N, 128-46-40W
Buoy 46405	42-54-10N, 130-54-32W
Buoy D - 127	45-31-26N, 127-35-38W

Chart 501

LNM: 29/03

OREGON / WASHINGTON - COASTAL REGION - NOAA

NOAA buoys 46404 and 46405 have been temporarily discontinued.

Chart 501

LNM: 14/04

WASHINGTON - OFFSHORE - Research Buoys

The Olympic Coast National Marine Sanctuary will be deploying research buoys in the waters of the sanctuary from 17 May to 08 Oct 04. These buoys will be anchored in depths between 15 and 42 meters. Each buoy will consist of unlit, 16ft halibut longline, and aluminum poles with floats and red flags, each topped with a radar reflector. The locations of the buoys are:

Buoy	Latitude	Longitude	Planned depth
MB-1	48-19-30.0N	124-40-54.0W	15m
MB-2	48-19-18.0N	124-44-18.0W	42m
CA-1	48-09-54.0N	124-45-24.0W	15m
CA-2	48-09-54.0N	124-48-12.0W	42m
TH-1	47-52-30.0N	124-37-06.0W	15m
TH-2	47-50-42.0N	124-37-42.0W	31m
KL-1	47-35-54.0N	124-25-36.0W	15m
KL-2	47-35-36.0N	124-29-36.0W	27m
CE-1	47-21-19.0N	124-28-06.0W	42m

For additional information, contact Olympic Coast National Marine Sanctuary at (360) 457-6622.

Chart 18480

LNM: 19/04

WASHINGTON - PORT ANGLES - Construction

Kiewit General Construction is performing work at the east side of Nipon Paper Mill at the Port Angles Graving Docks involving a floating crane and barge from 12 Jul to 03 Sep 04. The floating crane and barge will be moored with anchor lines and buoys with white lights attached. The floating crane will be monitoring VHF-FM Channels 14 and 16. Mariners are requested to use caution in the vicinity of the construction. For additional information, contact Kiewit General Construction at (360) 565-2718.

Chart 18468

LNM: 26/04

WASHINGTON - PUGET SOUND - Geoduck Harvesting

Geoduck harvesting will be conducted in the area of Freshwater Bay (west of Port Angles) Squamish Harbor and south of Hood Head (both on the west side of the Hood Canal Bridge) and at Lofall (on the south east side of the Hood Canal Bridge) from 22 Jun to 08 Oct 04. These operations will take place from 0800 until 1600 local, Monday through Friday, excluding state holidays. The Department of Natural Resources patrol boat will be onsite and monitoring VHF-FM Channel 8. Vessels transiting the area are requested to stay 300ft clear of divers. For additional information, contact Washington Department of Natural Resources at (360) 902-1100.

Chart 18465,18445

LNM: 26/04

WASHINGTON - ROSSARIO STRAIT - Research Buoys

NOAA has established three temporary yellow lighted research buoys showing the characteristic Flashing Yellow 6 seconds (Fl Y 6s) for a period of 8 to 10 weeks on approximately 20 Jul 04.

Buoy 1	48-28-32.7N 122-42-40.2W
Buoy 2	48-28-35.9N 122-52-53.2W
Buoy 3	48-28-30.6N 122-42-51.9W

Chart 18421

LNM: 18/04

WASHINGTON - ELLIOTT BAY - Terminal 46 Construction (Revision to LNM 50/03)

The American Construction Company has commenced construction that includes pile driving at terminal 46 for the Port of Seattle. Pile driving work will be from 0700 to 1700 local Monday through Saturday 12 Dec 03 to the end of Aug 04. The crane DB Palouse will be moored on anchors, and crown buoys will be used to mark the anchor locations. DB Palouse will monitor VHF-FM Channel 16. All vessels are requested to minimize wake in the vicinity of construction. For additional information contact the American Construction Co at (206) 264-0701.

Chart 18449

LNM: 26/04

WASHINGTON - STRAIT OF JUAN DE FUCA - PUGET SOUND - Security Zone of Passenger Vessels (Revision to LNM 06/03)

The Coast Guard is establishing a temporary moving security zone of 500 yards surrounding passenger vessels while within the waters of Puget Sound and adjacent waters. A passenger vessel is defined as any vessel over 100 feet in length (33 meters) carrying passengers for hire such as auto ferries, cruise ships, passenger ferries, and excursion vessels. All vessels within 500 yards of a passenger vessel shall operate at the minimum speed necessary to maintain a safe course and shall proceed as directed by the Official Patrol or passenger vessel master. The Official Patrol will consist of a Coast Guard patrol, Federal Law Enforcement officer or a General Authority Washington Peace Officer, Limited Authority Washington Peace Officer, Specially Commissioned Washington Peace Officer, or the passenger vessel master. This order is issued under the authority of the Ports and Waterways Safety Act, Title 33, U. S. Code 1221 et. Seq., and the regulations issued thereunder, Title 33, Code of Federal Regulations Part 165.

Physical Boundaries: The following area is a security zone: All waters of Puget Sound, Washington State east of 123-30-00W [Datum: NAD 1983] within a 500 yard radius centered on passenger vessels while they are underway, anchored or moored.

Special Rules: All vessels within 500 yards of a passenger vessel shall operate at the minimum speed necessary to maintain a safe course, and shall proceed as directed by the Official Patrol or the passenger vessel master. No vessels will be allowed to transit this area without the permission of the Coast Guard, the Official Patrol or the passenger vessel master. Penalties for violating the zone: The Ports and Waterways Safety Act prescribes that whoever violates an order issued under the act is liable to a civil penalty of not more than \$27,500 for each violation. Each day of continuing violation shall constitute a separate violation. If such a violation is willful, you are subject to a criminal penalty of not more than \$250,000 and/or six years imprisonment. This criminal penalty is classified as a class "D" felony under federal law. Contact the Coast Guard Marine Safety Office, Puget Sound at (206) 217-6215 or VHF-FM Channel 16 for more information.

Chart N/A

LNM: 32/03

WASHINGTON - PUGET SOUND - SEATTLE TO BREMERTON - Ongoing Construction of Pier 36

During ongoing construction at Pier 36 that is expected to be completed September 2005, barges will be moored on the western face of Pier 36 sporadically. Barges will be marked with white flashing lights on the west corners and extend off the face no more than 110 ft. Mariners are requested to exercise caution in the vicinity of Pier 36.

Chart 18449

LNM: 33/03

WASHINGTON - HOOD CANAL - Surface / Subsurface Operations

Naval Undersea Warfare Center Division, Keyport is operating an Undersea Unmanned Vehicle (UUV) in the vicinity of Oak Head at approximate position 47-40-01N 122-49-01W during day light hours until 15 Sep 04. The U.S. Navy Barge YC-1631, a small navy boat and a Dabob Range Guard Boat will be on scene. Mariners are requested to use caution in the vicinity, and may contact Navy Barge YC -1631 on VHF-FM Channel 16 or 18. For additional information, contact Navy Barge YC-1631 at (360) 265-2243.

Chart 18458

LNM: 25/04

WASHINGTON - PUGET SOUND - Acoustic Buoys

Evans-Hamilton, Inc has deployed two acoustic doppler current meters (ADCPs) in approximate positions 47-45-44.1N 122-23-56.4W and 47-46-43.4N 122-24-40.2W. The instruments are in aluminum cages resting on the sea floor with no surface expression and will remain in place until early Sep 04. For additional information, contact Evans-Hamilton, Inc at (206) 526-5622.

Chart 18441

LNM: 25/04

WASHINGTON - LAKE WASHINGTON - Lock Closure

The Hiram M. Chittenden Large Lock will be closed to all traffic, with the small lock remaining open to all vessels within size restrictions from 0001 20 Nov to 1600 local 03 Dec 04 for annual maintenance. For additional information, contact the Army Corps of Engineers at (206) 783-7000.

Chart 18447

LNM: 22/04

WASHINGTON - PUGET SOUND - DUWAMISH WATERWAY - Submerged Barge (Revision of LNM 05/03)

Six barges rather than the one barge previously reported in December 2002, have sunk in the Duwamish Waterway approximately 150 yards south of the 1st Avenue Bridge and are protruding into the west side of the channel. The owner of the partially submerged barge has marked the corner in the channel with a red float and a quick flashing red light. Attempts to salvage the barge have been unsuccessful. An announcement will appear in this publication as changes occur. Contact the Army Corps of Engineers at (206) 764-3429 for more information.

Chart 18450

LNM: 16/03

WASHINGTON - PUGET SOUND - Marine Events

EVENT DATE	EVENT NAME	EVENT LOCATION	SPONSOR
08/03/2004	Summer Evening Tues Eve	Lake Washington	Corinthian Yacht Club
08/03/2005	Keelboat Races	South Puget Sound	South Sound Sailing Society
08/04/2004	Fall Evening-PHRF	Meadow Pt	Corinthian Yacht Club
08/04/2004	Wind Seekers Summer Eve C	Commencement Sound	Wind Seekers Yacht Club
08/04/2004	Heat Way Series 3	Bellingham Bay	Bellingham Bay
08/04/2004	Summer Evening Wed Eve	Lake Washington	Corinthian Yacht Club
08/04/2004	Wally's Tour I	Fidalgo Bay	Anacortes Yacht V\Club
08/04/2005	Dinghy Races	South Puget Sound	South Sound Sailing Society
08/05/2004	Downtown Sailing Series	Elliott Bay	Elliott Bay Marina
08/05/2004	Fall Evening-One Design	Meadow Pt	Corinthian Yacht Club
08/06/2004	Useless Bay Fireworks	Useless Bay	Barghausen Consulting Engineer
08/06/2004	Race for Dinner	Shilshole Bay	Charlie's at Shilshole
08/06/2004	Anthony's SYC Kirkland Fri	Lake Washington	Seattle Yacht Club
08/07/2004	9th Annual Salmon Derby	Tacoma Narrows to Olympia	Gig Harbor Puget Sound Anglers
08/07/2004	Friday Night Log Dodge	Possession Sound	Milltown Sailing Association
08/07/2004	Saturday Open 2	Bellingham Bay	Bellingham Bay
08/07/2004	Shaw Island Classic Race	Shaw Island	San Juan Island Yacht Club
08/07/2004	9th Annual PSA Derby	Commencement Bay South to Fox Island	Puget Sound Anglers Gig Hb
08/08/2004	Fall Evening-PHRF	Meadow Pt	Corinthian Yacht Club
08/09/2004	Sloop Tavern Ballard Cup	Shilshole Marina	Sloop Tavern Yacht Club
08/09/2004	Ballard Cup Series 3	Shilshole Bay	Shilshole Bay Yacht Club
08/10/2004	Fall Evening Tues Eve	Lake Washington	Corinthian Yacht Club
08/10/2005	Keelboat Races	South Puget Sound	South Sound Sailing Society
08/11/2004	Fall Evening-PHRF	Meadow Pt	Corinthian Yacht Club
08/11/2004	Wally's Tour II	Fidalgo Bay	Anacortes Yacht V\Club
08/11/2004	Wind Seekers Summer Eve C	Commencement Sound	Wind Seekers Yacht Club
08/11/2004	Heat Way Series 4	Bellingham Bay	Bellingham Bay
08/11/2004	Fall Evening Wed Eve	Lake Washington	Corinthian Yacht Club
08/11/2005	Dinghy Races	South Puget Sound	South Sound Sailing Society
08/12/2004	Downtown Sailing Series	Elliott Bay	Elliott Bay Marina
08/12/2004	Fall Evening-One Design	Meadow Pt	Corinthian Yacht Club
08/13/2004	Race for Dinner	Shilshole Bay	Charlie's at Shilshole
08/13/2004	Anthony's SYC Kirkland Fri	Lake Washington	Seattle Yacht Club
08/14/2004	Spring to Winter Series	Des Moines Area	Three Tree Point YC
08/14/2004	Friday Night Log Dodge	Possession Sound	Milltown Sailing Association
08/14/2004	Medina Days	Lake Washington	Medina Days
08/14/2004	Commodore Gibson Race	Puget Sound	Corinthian Yacht Club
08/14/2004	W. O. W. Regatta	Bellingham Bay	Bellingham Bay
08/14/2005	Dinghy Races	South Puget Sound	South Sound Sailing Society
08/15/2004	Commodore Gibson Race	Puget Sound	Corinthian Yacht Club
08/15/2004	Brownsville Friday Night Series	Port Orchard	West Sound Corinthian YC
08/16/2004	Vashon Challenge 2004	Vashon Island	Corinthian YC of Tacoma
08/16/2004	Ballard Cup Series 3	Shilshole Bay	Shilshole Bay Yacht Club
08/16/2004	Sloop Tavern Ballard Cup	Shilshole Marina	Sloop Tavern Yacht Club
08/17/2004	Fall Evening Tues Eve	Lake Washington	Corinthian Yacht Club
08/17/2005	Keelboat Races	South Puget Sound	South Sound Sailing Society
08/18/2004	Wally's Tour III	Fidalgo Bay	Anacortes Yacht V\Club
08/18/2004	Fall Evening Wed Eve	Lake Washington	Corinthian Yacht Club
08/19/2004	Fall Evening-One Design	Meadow Pt	Corinthian Yacht Club
08/19/2004	Downtown Sailing Series	Elliott Bay	Elliott Bay Marina
08/20/2004	Anthony's SYC Kirkland Fri	Lake Washington	Seattle Yacht Club
08/21/2004	Friday Night Log Dodge	Possession Sound	Milltown Sailing Association
08/21/2004	Great Cross PS Paddling Race	Alki beach to Blakely Rock	Sound Rowers
08/22/2004	Plover Swim	Marine Drive Pier to Tongue Point	Drayton Harbor Maritime

EVENT DATE	EVENT NAME	EVENT LOCATION	SPONSOR
08/22/2004	Brownsville Friday Night Series	Port Orchard	West Sound Corinthian YC
08/22/2005	Keelboat Races	South Puget Sound	South Sound Sailing Society
08/23/2004	Solo Swim	Point Roberts to Birch Bay	Whatcom County / ESAR
08/23/2004	Sloop Tavern Ballard Cup	Shilshole Marina	Sloop Tavern Yacht Club
08/23/2004	Solo Swim	Pt. Roberts to Birch Bay	Whatcom Explorer Search & Rescue
08/23/2004	Ballard Cup Series 3	Shilshole Bay	Shilshole Bay Yacht Club
08/24/2004	Fall Evening Tues Eve	Lake Washington	Corinthian Yacht Club
08/25/2004	Fall Evening-PHRF	Meadow Pt	Corinthian Yacht Club
08/25/2004	Fall Evening Wed Eve	Lake Washington	Corinthian Yacht Club
08/25/2004	Wally's Tour IV	Fidalgo Bay	Anacortes Yacht V\Club
08/25/2004	Wind Seekers Summer Eve C	Commencement Sound	Wind Seekers Yacht Club
08/25/2005	Dinghy Races	South Puget Sound	South Sound Sailing Society
08/26/2004	Fall Evening-One Design	Meadow Pt	Corinthian Yacht Club
08/26/2004	Downtown Sailing Series	Elliott Bay	Elliott Bay Marina
08/27/2004	Anthony's SYC Kirkland Fri	Lake Washington	Seattle Yacht Club
08/28/2004	San Juan Challenge	Cypress/Guemes Island	Anacortes Police Department
08/28/2004	San Juan Challenge	Cypress/Guemes Island	Anacortes Police Department
08/28/2004	Wind Seekers Fall #1	Commencement Sound	Wind Seekers Yacht Club
08/28/2004	Trans Puget	Puget Sound	Shilshole Bay Yacht Club
08/28/2004	Northwest Junior Olympics	Vicinity Shilshole Bay Marina	Seattle Yacht Club
08/28/2004	City of Kenmore	Lake Washington	City of Kenmore
08/28/2005	Keelboat Races	South Puget Sound	South Sound Sailing Society
08/29/2004	Northwest Junior Olympics	Vicinity Shilshole Bay Marina	Seattle Yacht Club
08/29/2004	Brownsville Friday Night Series	Port Orchard	West Sound Corinthian YC
08/31/2004	Fall Evening Tues Eve	Lake Washington	Corinthian Yacht Club

OREGON - PORTLAND - Marine Events

EVENT DATE	EVENT NAME	EVENT LOCATION	SPONSOR
08/07-08/2004	Portland Dragon Boat Races	Willamette River, Sellwood Bridge to Oaks Park	Dragon Sports USA, Inc
08/14/2004	Astoria Regatta	Offshore of Astoria, OR	Astoria Regatta Association
08/14-15/2004	North West Sessions	Wye Park, Richland, WA	North West Sessions

SECTION VIII – LIGHT LIST CORRECTIONS

An Asterisk *, indicates the column in which a correction has been made to new information

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
10365	Welch Island PRICE ISLAND LIGHT 35	46 15 16 N 123 26 40 W	FI G 4s	12	6	SG on pile structure.	31/04
10410	Puget Island HUNTS MILL POINT LIGHT 44A	46 11 36 N 123 26 02 W *	FIR 2.5s	12	4	TR on pipe.	Ra ref. 31/04
10505	Westport - DIKE LIGHT 64	46 08 26 N 123 19 50 W *	FIR 6s	15	4	TR on dolphin.	31/04
10600	Eureka - DIKE LIGHT 79	46 10 28 N 123 12 53 W *	FI G 4s	15	4	SG on pile.	31/04
11065	Warrior Rock - RANGE FRONT LIGHT	45 51 18 N 122 46 47 W *	Q W	25		KRW on skeleton tower.	Visible all around; higher intensity on rangeline. 31/04

Baker Bay West Channel								
14485	- Daybeacon 18	46 17 24 N 124 02 54 W *				TR on pile.		31/04
14490	- LIGHT 20	46 17 37 N 124 02 42 W *	FI R 4s	17	4	TR on pile structure	Ra ref.	31/04
14500	- LIGHT 22	46 17 49 N 124 02 25 W *	FI R 2.5s	15	4	TR on dolphin.	Ra ref.	31/04
Chinook Channel								
14530	- LIGHT 5	46 16 05 N 123 57 23 W *	FI G 4S	15	4 *	SG on pile structure.	Ra ref.	31/04
Skipanon Waterway								
14550	- WEST LIGHT 4	46 11 04 N 123 54 29 W *	FI R 4s	15	5	TR on dolphin.		31/04
14560	- RANGE FRONT LIGHT	46 09 59 N 123 54 53 W *	F R	26		KRB on skeleton tower.	Visible all around; higher intensity on rangeline. Lighted throughout 24 hours.	31/04
Cathlamet Bay Prairie Channel								
14775	SVENSEN ISLAND LIGHT 12A	46 10 52 N 123 38 40 W *	FI G 4s	15	4	TR on dolphin.	Higher intensity beam up and down channel.	31/04
14780	- Daybeacon 14	46 11 13 N 123 38 04 W *				TR on pile structure.	Ra ref.	31/04
Multnomah Channel								
14825	- Daybeacon 2	45 52 26 N 122 47 56 W *				TR on pile.		31/04
Willapa Bay								
15235	Toke Point Basin Daybeacon 4	46 42 29 N 123 57 58 W *				TR on pile.		31/04
Willapa River								
15250	- Daybeacon 2	46 41 32 N 123 57 21 W *		16		TR on dolphin.		31/04
15305	- LIGHT 24	46 42 23 N 123 51 59 W *	FI R 4s	15	4	TR on dolphin		31/04
15320	- LIGHT 29	46 42 23 N 123 50 35 W *	FI G 2.5s	15	4	SG on dolphin		31/04
15325	- Daybeacon 30	46 42 17 N 123 50 35 W *				TR on pile.		31/04
15330	- LIGHT 33	46 42 05 N 123 49 59W *	FI G 4 s	22	4 *	SG on dolphin.	Higher intensity beam up and down channel.	31/04
15340	- LIGHT 39	46 41 11 N 123 49 05 W *	FI G 4s	18	4 *	SG on dolphin.	Higher intensity beam up and down channel.	31/04
15365	- CHANNEL LIGHT 51 80 feet outside channel limit.	46 39 53 N 123 47 59 W *	FI G 4s	15	4 *	SG on dolphin.		31/04
15375	- CHANNEL LIGHT 55	46 40 35 N 123 47 05 W *	FI G 4s	16	4 *	SG on skeleton tower.		31/04
South Willapa Bay								
15415	- Daybeacon 8	46 35 23 N 123 58 35W *				TR on pile.		31/04
Nahcotta Channel								
15445	NAHCOTTA MOORING BASIN LIGHT 2	46 30 05 N 124 01 29 W *	FI R 4s	15	4 *	TR on pile structure.	Higher intensity beam down channel.	31/04
Grays Harbor								
15650	- South Reach Daybeacon 20	46 55 05 N 124 03 41 W *				TR on pile structure.		31/04

15940	Grays Harbor North Bay DAMON POINT LIGHT	46 57 01 N 124 06 25 W *	FI Y 4s	20	5	NB on pile structure.	Ra ref.	31/04
15950	South Channel - LIGHT 6	46 55 14 N 124 01 58 W *	FIR 2.5s	16	4	TR on dolphin.	Visible all around; higher intensity beam down channel.	31/04
16070	South Bay Channel - Daybeacon 16	46 51 58 N 124 04 25 W *				TR on pile.		31/04

PUBLICATION CORRECTIONS

Publication-National Ocean Service-U.S. Coast Pilot 7, Pacific Coast: California, Oregon, Washington, Hawaii, and Pacific Islands, 2004 (36th) Edition. Change No. 15.

Coast Pilot 7 36th 2004

Corrections

Page 151-Paragraph 2231, line 8; read:
approved material is available for
inspection at the Office of the Federal
...

(CL 941/04; FR 6/23/04)

Page 163-Paragraph 2565, line 1; read:
(6) Knows the speed and direction of
the current, and the ...

(CL 922/04; FR 6/18/04)

Page 163-Paragraph 2568: Delete.
(CL 922/04; FR 6/18/04)

Page 163-Paragraph 2579 through Paragraph
2588; read:

(c)(1) The voyage-planning
requirements outlined in this section do
not apply to you if your towing vessel
is-

(i) Used solely for any of the
following services or any combination of
these services-

(A) Within a limited geographic
area, such as fleeting-area for barges or
a commercial facility, and used for
restricted service, such as making up or
breaking up larger tows:

(B) For harbor assist;

(C) For assistance towing as defined
by 46 CFR 10.103;

(D) For response to emergency or
pollution;

(ii) A public vessel that is both
owned, or demise chartered, and operated
by the United States Government or by a
government of a foreign country; and that
is not engaged in commercial service;

(iii) A foreign vessel engaged in
innocent passage; or

(iv) Exempted by the Captain of the
Port (COTP).

(2) If you think your towing vessel
should be exempt from these voyage
planning requirements for a specified
route, you should submit a written
request to the appropriate COTP. The COTP
will provide you with a written response
granting or denying your request.

(3) If any part of a towing vessel's
intended voyage is seaward of the
baseline (i.e. the shoreward boundary) of
the territorial sea of the U.S., then the
owner, master, or operator of the vessel,
employed to tow a barge or barges, must
ensure that the voyage with the barge or
barges is planned, taking into account
all pertinent information before the
vessel embarks on the voyage. The master
must check the planned route for
proximity to hazards before the voyage
begins. During a voyage, if a decision is
made to deviate substantially from the
planned route, then the master or mate
must plan the new route before deviating
from the planned route. The voyage plan
must follow company policy and consider
the following (related requirements noted
in parentheses):

(i) Applicable information from
nautical charts and publication (also see
paragraph (b) of section 164.72),
including Coast Pilot, Coast Guard Light
List, and Coast Guard Local Notice to
Mariners for the port of departures, all
ports of call, and the destination;

(ii) Current and forecast weather,
including visibility, wind, and sea state
for the port of departure, all ports of
call, and the destination (also see
paragraphs (a)(7) of section 164.78 and
(b) of section 164.82);

(iii) Data on tides and currents for
the port of departure, all ports of call,

and the destination, and the river staged and forecast, if appropriate;

(iv) Forward and after drafts of the barge or barges and under-keel and vertical clearances (air-gaps) for all bridges, ports, and berthing areas;

(v) Pre-departure checklists;

(vi) Calculated speed and estimated time of arrival at proposed waypoints;

(vii) Communication contacts at any Vessel Traffic Services, bridges, and

facilities, and any port specific requirements for VHF radio;

(viii) Any master's or operator's standings orders detailing closest points of approach, special conditions, and critical maneuvers; and

(ix) Whether the towing vessel has sufficient power to control the tow under all foreseeable circumstances.

(CL 922/04; FR 6/18/04)

ENCLOSURES

Oregon - Washington - Columbia River - Dredging Operations >See Append 1<
Columbia River - Columbia River Channel - Entrance to Miller Sands - Tabulation >See Append 2<
Columbia River - Miller Sands to Gull Island Turn - Tabulation >See Append 3<
Columbia River - Gull Island Turn and Channel to Saint Helens Turn - Tabulation >See Append 4<
Columbia River - Saint Helens Turn to Tomahawk Bar - Tabulation >See Append 5<
Columbia River - Morgan Channel to Tomahawk Bar - Tabulation >See Append 6<
Columbia River - Tomahawk Bar to Bonneville Locks - Tabulation >See Append 7<

If you have any questions, comments, or need additional information concerning this or other LNMs or the LNM Mailing List (e.g. additions, deletions, corrections) contact the address or phone number on the front page.

D. R. McCRIMMON, JR.
Commander, U.S. Coast Guard
Chief, Aids to Navigation & Waterways Management Branch
Thirteenth Coast Guard District
By direction of the District Commander

OREGON – WASHINGTON – COLUMBIA RIVER – Dredging Operations

Dredging operations are planned or in progress at the following locations :

Start Date	End Date	Times	Location	Dredge Vessel	Assist Vessel	Channels Monitored	Disposal Area	LNM
19 Jul 04	15 Feb 05	0500-1800 Mon - Fri	<u>East Waterway</u>	Mason Derrick	Olympic Tug, Rebel and Minnie	8 and 14 VHF-FM	Terminal 25 and Elliott Bay	28/04
16 Jul 04	Dec 04	24 hours 6 days	<u>Blair Waterway</u>	Vulcan	Gladys M Wollochot	13, 14 and 66 VHF-FM	Blair Waterway Slip 5 and PSSDA	28/04
16 Jul 04	30 Sep 04	24 hours 7 days	<u>Hylebos Waterway</u>	Patriot		14 and 69 VHF-FM	Blair Waterway Slip 1	26/04
15 Aug 04	19 Aug 04	24 hours 7 days	<u>Coquille River</u> <u>River Mile 0+10+00 to 0-10-00</u>	Yaquina		13 and 16 VHF-FM	Coquille River Ocean Site	31/04
23 Jul 04	17 Aug 04	24 hours 7 days	<u>Columbia River</u> <u>River Mile 0+40+00 to 2+30+00</u>	Essayons		13 and 16 VHF-FM	Disposal Site E, Deep Water Site, North Jetty Site	31/04
04 Aug 04	14 Aug 04	24 hours 7 days	<u>Yaquina Bay</u> <u>River Mile 0-10-00 to 0-50-00</u>	Yaquina		13 and 16 VHF-FM	Yaquina Bay Ocean Site A	31/04
28 Jul 04	10 Aug 04	24 hours 7 days	<u>Skamokawa Bar River Mile</u> <u>35+43+00 to 35+00+00</u>	Oregon		13 and 16 VHF-FM	In water, O-34.7-W	31/04
23 Jun 04	06 Aug 04	24 hours 7 days	<u>Coos Bay</u> <u>River Mile 0-40-00 to 0+25+00</u>	Sugar Island		13 and 16 VHF-FM	Disposal Site F	29/04
01 Aug 04	03 Aug 04	24 hours 7 days	<u>Siuslaw River</u> <u>River Mile 0-15-00 to 0-30-00</u>	Yaquina		13 and 16 VHF-FM	Siuslaw Ocean Site B	31/04

*US Army Corps of Engineer dredges request mariners transit at their slowest safe speed to minimize wake when in the vicinity of a dredge and proceed after passing arrangements have been made.

CHART 18521								
COLUMBIA RIVER CHANNEL DEPTHS ENTRANCE TO MILLER SANDS RANGE								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JULY 6, 2004								
* SEE FOOTNOTES						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
ENTRANCE RANGE	57	57	51	42	7-04	2640	3.3	48
SAND ISLAND RANGE (CLATSOP SPIT)	46	50	46	48	7-04	2640	2.2	48
LOWER DESDEMONA SHOAL	44	45	43	38	6-04	600	3.4	40
UPPER DESDEMONA SHOAL	41	43	45	45	6-04	600	3.6	40
TANSY POINT TURN AND RANGE	39	40	40	33	3-04, 6-04	600	4.8	40
ASTORIA RANGE	41	42	43	41	3-04	600	2.7	40
TONGUE POINT CHANNEL	38	41	42	41	6-04	600	2.2	40
HARRINGTON POINT RANGE	38	39	39	33	5-04, 6-04	600	2.6	40
MILLER SANDS RANGE	37	43	39	34	5-04	600	2.2	40
* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT * CONTROLLING DEPTHS IN CHANNELS ENTERING FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER FROM THE ENTRANCE TO HARRINGTON POINT AND COLUMBIA RIVER DATUM ABOVE THAT POINT. PROJECT LENGTHS ARE IN STATUTE MILES. NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

CHART 18523

COLUMBIA RIVER CHANNEL DEPTHS MILLER SANDS RANGE TO GULL ISLAND TURN AND CHANNEL TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JULY 6, 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
MILLER SANDS RANGE	37	43	39	34	5-04	600	2.2	40
PILLAR ROCK LOWER RANGE	37	41	41	39	5-04, 7-04	600	3.0	40
PILLAR ROCK UPPER RANGE	32	40	41	39	7-04	600	1.9	40
WELCH ISLAND REACH	42	43	43	37	7-04	600	3.2	40
SKAMOKAWA CHANNEL	35	39	40	38	5-04	600	3.3	40
STEAMBOAT REACH	48	48	45	42	5-04	600	1.4	40
PUGET ISLAND RANGE AND TURN	40	41	39	37	5-04	600	3.5	40
WAUNA RANGE	38	39	39	38	5-04	600	2.2	40
DRISCOLL RANGE	40	38	40	40	5-04	600	1.7	40
WESTPORT TURN AND RANGE	38	39	41	42	5-04	600	2.0	40
WESTPORT CHANNEL	39	41	40	38	5-04, 6-04	600	2.4	40
EUREKA LOWER CHANNEL	43	43	44	44	6-04	600	2.1	40
EUREKA UPPER CHANNEL	44	44	43	42	6-04	600	0.8	40
OAK POINT CHANNEL	44	45	43	42	6-04	600	2.4	40
GULL I TURN AND CHANNEL	45	48	41	36	6-04	600	2.2	40
* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES TO THE ABOVE INFORMATION								

CHART 18524

COLUMBIA RIVER CHANNEL DEPTHS GULL ISLAND TURN AND CHANNEL TO SAINT HELENS TURN TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JULY 06, 2004								
CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
GULL I TURN AND CHANNEL	45	48	41	36	6-04	600	2.2	40
STELLA RANGE	37	40	40	37	6-04	600	2.8	40
FISHER I CHANNEL	39	40	39	40	5-04	600	0.9	40
WALKER I CHANNEL	39	42	40	36	5-04	600	1.5	40
BARLOW PT. CHANNEL	43	44	40	39	5-04	600	1.3	40
SLAUGHTERS CHANNEL	39	40	39	38	6-04	600	2.3	40
SLAUGHTERS TURN AND CHANNEL								
OPPOSITE THE TURNING BASIN	39	39	40	39	6-04	600	1.7	40
COTTONWOOD ISLAND LOWER RANGE	41	41	39	38	6-04	600	1.7	40
COTTONWOOD ISLAND TURN	43	42	40	39	6-04	600	2.7	40
COTTONWOOD ISLAND UPPER RANGE								
RANGE	41	41	41	41	6-04	600	1.6	40
KALAMA LOWER RANGE	42	37	41	31	6-04	600	1.6	40
KALAMA UPPER RANGE	39	41	40	39	6-04	600	2.2	40
BYBEE LEDGE CHANNEL	40	42	42	40	6-04	600	2.1	40
MARTIN ISLAND CHANNEL	42	39	39	38	6-04	600	2.1	40
MARTIN ISLAND RANGE	39	41	42	41	6-04	600	1.4	40
COLUMBIA CITY CHANNEL	38	40	37	38	6-04	600	1.2	40
ST. HELENS RANGE	39	39	41	38	6-04	600	2.0	40
ST. HELENS TURN	43	43	41	36	6-04	600	1.7	40
* CONTROLLING DEPTHS ROUNDED TO NEAREST FOOT NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

CHART 18525

COLUMBIA RIVER CHANNEL DEPTHS SAINT HELENS TURN TO TOMAHAWK BAR TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORTS OF JULY 6, 2004								
CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
ST. HELENS TURN	43	43	41	36	6-04	600	1.7	40
WARRIOR ROCK RANGE	38	41	39	40	6-04	600	1.3	40
DUCK CLUB TURN	37	40	42	43	6-04	600	1.4	40
HENRICI RANGE	39	39	40	39	5-04	600	2.6	40
FALES CHANNEL	41	41	40	38	5-04	600	1.1	40
KNAPP POINT CHANNEL	40	42	40	39	6-04	600	1.8	40
WILLOW LOWER RANGE	40	41	42	38	6-04	600	2.1	40
WILLOW UPPER RANGE	41	44	41	46	6-04	600	1.1	40
MORGAN BAR	43	44	50	49	6-04	600	1.0	40
MORGAN CHANNEL	46	45	43	43	6-04	600	1.5	40
VANCOUVER LOWER CHANNEL	47	47	49	47	6-04	500	1.0	40
VANCOUVER RANGE	41	43	43	40	6-04	500	1.3	40
VANCOUVER UPPER CHANNEL	41	42	40	39	6-04	500	0.9	40
VANCOUVER LOWER TURNING BASIN	36	38	42	41	6-04	800	1.0	40
VANCOUVER UPPER TURNING BASIN	32	26	25	24	6-04	800	0.9	35
TOMAHAWK BAR	18	18	18	17	11-03	300	3.7	27
* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

CHART 18526

COLUMBIA RIVER CHANNEL DEPTHS MORGAN CHANNEL TO TOMAHAWK BAR TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JULY 6, 2004								
CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
MORGAN CHANNEL	46	45	43	43	6-04	600	1.5	40
VANCOUVER LOWER CHANNEL	47	47	49	47	6-04	500	1.0	40
VANCOUVER RANGE	41	43	43	40	6-04	500	1.3	40
VANCOUVER UPPER CHANNEL	41	42	40	39	6-04	500	0.9	40
VANCOUVER LOWER TURNING BASIN	36	38	42	41	6-04	800	1.0	40
VANCOUVER UPPER TURNING BASIN	32	26	25	24	6-04	800	0.9	35
TOMAHAWK BAR	18	18	18	17	11-03	300	3.7	27
* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 18531

COLUMBIA RIVER CHANNEL DEPTHS TOMAHAWK BAR TO BONNEVILLE LOCKS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JULY 6, 2004							
CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
TOMAHAWK BAR	18	18	17	11-03	300	3.7	27
AIRPORT BAR	18	18	18	3-04	300	2.8	27
GOVERNMENT ISLAND LOWER RANGE	16	17	17	3-04	300	1.1	27
GOVERNMENT ISLAND MIDDLE RANGE	14	18	16	3-04	300	1.6	27
FISHER QUARRY CHANNEL RANGE	26	24	21	3-04	300	1.0	27
GOVERNMENT ISLAND RANGE	25	30	25	3-04	300	1.1	27
GOVERNMENT ISLAND UPPER RANGE	17	18	21	3-04	300	0.8	27
LADY ISLAND RANGE	18	21	23	3-04	300	2.1	27
LADY ISLAND CHANNEL AND UPPER RANGE	28	28	19	3-04	300	0.9	27
WASHOUGAL LOWER RANGE	21	28	28	3-04	300	1.5	27
WASHOUGAL UPPER RANGE	19	26	30	3-04	300	1.1	27
GARY ISLAND RANGE	16	15	15	3-04	300	0.9	27
REED ISLAND RANGE	18	15	14	10-03, 3-04	300	2.2	27
TUNNEL POINT CHANNEL	24	25	26	10-03	300	0.8	27
ROOSTER ROCK CHANNEL	26	23	25	10-03	300	1.2	27
CAPE HORN CHANNEL	34	32	31	10-03	300	2.4	27
CANDIANA CHANNEL	16	38	36	10-03	300	1.0	27
FASHION REEF LOWER RANGE	12	19	21	10-03	300	2.2	27
MULTNOMAH FALLS BAR RANGE	13	23	16	10-03	300	1.3	27
MULTNOMAH FALLS TURN	12	20	21	10, 11-03	300	0.8	27
MULTNOMAH FALLS UPPER RANGE	18	21	24	11-03	300	3.2	27
MCGOWANS CHANNEL	39	34	25	11-03	300	1.1	27
WARRENDALE LOWER RANGE	20	22	23	11-03	300	0.9	27
WARRENDALE UPPER RANGE	21	28	22	11-03	300	0.8	27
HAMILTON ISLAND REACH	21	30	27	11-03	300	0.9	27
ENTRANCE TO BONNEVILLE LOCKS	22	22	22	3-00	300	0.6	27
* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT							
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							